

Claim amendments. Claim 7 is cancelled and claims 8-19 are withdrawn, as follows:

1. A method of making a thermally-removable adhesive, comprising the steps of:
  - mixing a bismaleimide compound and a monomeric furan compound, said monomeric furan compound containing an oxirane group, at an elevated temperature of greater than approximately 90°C to form a homogeneous solution;
  - mixing a curative at said elevated temperature to form a second homogeneous mixture; and
  - cooling said second homogeneous mixture to a temperature less than approximately 70°C to simultaneously initiate a Diels-Alder reaction between said furan and said bismaleimide and a epoxy curing reaction between said curative and said oxirane group, thereby forming a thermally-removable adhesive.
2. The method of claim 1 wherein the curative is selected from the group consisting of amine curatives, anhydrides, carboxylic acids, and alcohols.
3. The method of claim 1 wherein the curative is selected from the group consisting of chlorendic, dodecenylsuccinic anhydride, nadic methyl anhydride, pyromellitic dianhydride, maleic anhydride, 3-3'-dimethylmethylenedi(cyclohexylamine), polyoxypropylenediamine, and nonylphenol.
4. The method of claim 1 wherein the monomeric furan is furfuryl glycidyl ether.
5. The method of claim 1 wherein the bismaleimide compound is selected from 1,1'-(methylenedi-4,1-phenylene)-bismaleimide, N,N'-(4-methyl-1,3-phenylene)-bismaleimide, N,N'-m-phenylene-bismaleimide, and  $((C_4H_2O_2N)C_6H_4)_2(OSi(CH_3)_2)_4O$ .

6. The method of claim 1 wherein the second homogeneous mixture is formed within less than approximately 20 minutes.

7. (Cancelled)

8. (Withdrawn)

9. (Withdrawn)

10. (Withdrawn)

11. (Withdrawn)

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Withdrawn)

16. (Withdrawn)

17. (Withdrawn)

18. (Withdrawn)

19. (Withdrawn)

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